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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/550,154	09/20/2005	Margaretha Grind	ASZD-P01-022	1056	
9629	9629 7590 07/11/2006				
MORGAN LEWIS & BOCKIUS LLP			KHANNA,	KHANNA, HEMANT	
WASHINGTON, DC 20004			ART UNIT	PAPER NUMBER	
	•		1654		
			DATE MAILED: 07/11/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)		
	10/550,154	GRIND, MARGARETHA		
Office Action Summary	Examiner	Art Unit		
	Hemant Khanna	1654		
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address		
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period w  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).		
Status				
<ul> <li>1) ☐ Responsive to communication(s) filed on 20 Section 2a) ☐ This action is FINAL.</li> <li>2b) ☐ This 3) ☐ Since this application is in condition for allower closed in accordance with the practice under E</li> </ul>	action is non-final.			
Disposition of Claims				
4) Claim(s) 14,18-27,30-40 and 45-53 is/are pend 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 14,18-27,30-40,45-53 are subject to respect to the subject	vn from consideration. estriction and/or election requirer	nent.		
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction  11) The oath or declaration is objected to by the Examiner  9) The specification is objected to by the Examiner  10) The oath or declaration is objected to by the Examiner  11)	epted or b) objected to by the Edrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).		
Priority under 35 U.S.C. § 119				
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No.</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>				
Attachment(s)  1) X Notice of References Cited (PTO-892)	4) 🔲 Interview Summary	(PTO-413)		
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail Da			

## **DETAILED ACTION**

## Election/Restrictions

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 14, 16, 18-21, are drawn to a cholesterol-lowering method comprising the administration of melagatran.

Group II, claim(s) 22-26, and 45, drawn to a cholesterol-lowering method comprising the administration of a thrombin inhibitor.

Group III, claim(s) 27, 30-41, and 46-53, drawn to a combination product comprising a low-molecular weight thrombin inhibitor and another cholesterol-lowering therapeutic agent.

2. The inventions listed as Groups I-III do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

The MPEP states if an independent claim does not avoid the prior art, then the question whether there is still an inventive link between all the claims dependent on that claim needs to be carefully considered. Here the shared technical feature in independent claims 14, 22, and 27 (combination of low molecular weight thrombin inhibitor and cholesterol-lowering therapeutic agent) is not free of the prior art.

Art Unit: 1654

Together, Antonsson et al. (WO 1997/23499) and Gould et al. (WO 1998/11896) render obvious the claimed invention. While Antonsson et al. provide compounds of the formula R¹O(O)C-CH₂-(R)Cgl-Aze-Pab-R², as inhibitors of thrombin, Gould et al. provide the use of cholesterol lowering agents in combination with thrombin inhibitors for reducing the occurrence of cardiovascular events.

3. This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1.

The species are as follows:

The compounds of general formula R<sup>1</sup>O(O)C-CH<sub>2</sub>-(R)Cgl-Aze-Pab-R<sup>2</sup> in claims 19-20, 32-33 46-49, comprising of varying R<sup>1</sup> residues:

The thrombin inhibitors of formulas 1 and Ia in claims 22, 25, 35, 38, comprising of varying R<sup>a</sup>, R<sup>1</sup>, R<sup>2</sup>, Y, R<sup>3</sup>, R<sup>4</sup>, R<sup>5</sup>, R<sup>6</sup>, R<sup>7</sup> and X residues, not specifically recited in the claims.

The thrombin inhibitors and prodrugs in claims 23, 26, 36, 39, 50-53.

Other cholesterol-lowering therapeutic agents in claim 41, 47, 49, 52-53.

The species listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the shared technical feature in independent claims 14, 22, and 27 (combination of low molecular weight thrombin inhibitor and cholesterol-lowering therapeutic agent) is not free of the prior art.

Together, Antonsson et al. (WO 1997/23499) and Gould et al. (WO 1998/11896) render obvious the claimed invention. While Antonsson et al. provide compounds of the formula R¹O(O)C-CH₂-(R)Cgl-Aze-Pab-R², as inhibitors of thrombin, Gould et al. provide the use of cholesterol lowering agents in combination with thrombin inhibitors for reducing the occurrence of cardiovascular events.

Applicant is required, in reply to this action, to elect a single species each of a low molecular weight thrombin inhibitor and a cholesterol-lowering therapeutic agent to which the claims shall be restricted if no generic claim is finally held to be allowable. In essence, all of the varying residues should be defined by the elected species. The reply must also identify the claims readable on the elected species, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered non-responsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

## Notice of Possible Rejoinder

4. The examiner has required restriction between product and process claims.

Where applicant elects claims directed to the product, and the product claims are

subsequently found allowable, withdrawn process claims that depend from or otherwise require all the limitations of the allowable product claim will be considered for rejoinder. All claims directed a nonelected process invention must require all the limitations of an

allowable product claim for that process invention to be rejoined.

Page 5

In the event of rejoinder, the requirement for restriction between the product claims and the rejoined process claims will be withdrawn, and the rejoined process claims will be fully examined for patentability in accordance with 37 CFR 1.104. Thus, to be allowable, the rejoined claims must meet all criteria for patentability including the requirements of 35 U.S.C. 101, 102, 103 and 112. Until all claims to the elected product are found allowable, an otherwise proper restriction requirement between product claims and process claims may be maintained. Withdrawn process claims that are not commensurate in scope with an allowable product claim will not be rejoined. See MPEP § 821.04(b). Additionally, in order to retain the right to rejoinder in accordance with the above policy, applicant is advised that the process claims should be amended during prosecution to require the limitations of the product claims. Failure to do so may result in a loss of the right to rejoinder. Further, note that the prohibition against double patenting rejections of 35 U.S.C. 121 does not apply where the restriction requirement is withdrawn by the examiner before the patent issues. See MPEP § 804.01.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hemant Khanna whose telephone number is (571) 272Application/Control Number: 10/550,154 Page 6

Art Unit: 1654

9045. The examiner can normally be reached on Monday through Friday, 7:30 am-4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cecilia Tsang can be reached on (571) 272-0562. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

HK 1 June, 2006